

Product datasheet for PH304517

RTKN (NM_033046) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RTKN MS Standard C13 and N15-labeled recombinant protein (NP_149035)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204517
Predicted MW:	61.2 kDa
Protein Sequence:	>RC204517 protein sequence Red=Cloning site Green=Tags(s)

MQDRLHILEDLNMLYIRQMALSLEDTELQRKLDHEIRMREGACKLLAACSQREQALEATKSLLVCNSRIL
SYMGEHQRRKEAQLGKTSRRPSDSGPPAERSPCRGRVCISDLRIPLMWKDTEYFKNKGDHLRWAVFLLL
QLGEHIQDTEMILVDRTLTDISFQSNVFAEAGPDFELRLELYGACVEEEGALTGGPKRLATKLSSSLGR
SSGRRVRASLDSAGSGSSPILLPTPVVGGPRYHLLAHTTLTAAVQDGFRTDHLTLASHEENPAWLPLY
GSVCCRLAAQPLCMTQPTASGTLRVQQAGEMQNWAQVHGVKGTNLCYRQPEDADTGEEPLLTIAVNKE
TRVRAGELDQALGRPFTLSISNQYGDDEVTHLTQTESREALQSWMEALWQLFFDMSQWKQCCDEIMKIET
PAPRKPPQALAKQGSLYHEMAIEPLDDIAAVTDILTQREGARLETPPPWLAMFTDQPALPNPCSPASVAP
APDWTHTPLPWGRPRTFSLDAVPPDHSPRARSVAPLPPQSPRTRGLCSKGQPTWLQSPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

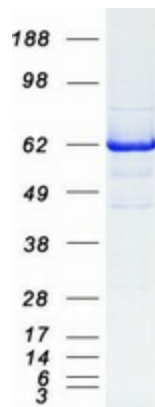
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_149035</u>
RefSeq Size:	2638
RefSeq ORF:	1650



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Locus ID:	6242
UniProt ID:	Q9BST9
Cytogenetics:	2p13.1
Summary:	This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified RTKN protein (Cat# [TP304517]). The protein was produced from HEK293T cells transfected with RTKN cDNA clone (Cat# [RC204517]) using MegaTran 2.0 (Cat# [TT210002]).